

RECEIVED  
CENTRAL FAX CENTER

MAY 29 2007

REMARKS:

Applicant has carefully studied the nonfinal Examiner's Action and all references cited therein. The amendment appearing above and these explanatory remarks are believed to be fully responsive to the Action. Accordingly, this important patent application is now believed to be in condition for allowance.

Applicant responds to the outstanding Action by centered headings that correspond to the centered headings employed by the Office, to ensure full response on the merits to each finding of the Office.

Information Disclosure Statement

The Office has requested that the Applicant provide a date for the reference to Terrovitis. The reference has been considered, but a date for the reference could not be found by the Office.

Drawings

The drawings stand objected to as failing to comply with 37 CFR 1.84(p5) because they include the following reference character(s) not mentioned in the description: Figure 6, element 120.

The drawings stand objected to as failing to comply with 37 CFR 1.84(p)(14) because reference character "120" has been sued to designate both "Displaying a Result of the Simulation" in Figure 6 and "Stimulus Supply" in Figure 7.

The drawings stand objected to because Figure 8 is not discussed in the specification.

The specification and the drawings have been amended to overcome the objections presented by the Office. Corrected drawings sheets including Fig. 6 and Fig. 7, in compliance with 37 CFR 1.121(d), are included with this response.

MAY 29 2007

Support for the amendment to the Fig. 7, adding element "121", finds support in the application as originally filed. More specifically, the specification states at paragraph [0056] that Fig. 7 includes stimulus supplies 120 /121 to supply the stimulus condition input to the frequency translation device 122. Additionally, paragraph [0060] has been amended to add the proper reference designators, making it clear that the inputs to the frequency translation device 122 include the input signal 120 and the LO drive 121. As such, support for the amendment is found in the specification as originally filed and no new matter has been added by amendment to the drawings or the specification.

Paragraph [0058] has also been amended to overcome the objection by the Office regarding Fig. 8.

#### Specification

The disclosure has been objected to due to informalities. Paragraph [0015] has been amended to overcome the objection. The Applicant considers paragraph [0064] to be complete, and as such has not presented an amendment to overcome the objection.

#### Claim Rejections – 35 U.S.C. § 112

Applicant acknowledges the quotation of 35 U.S.C § 112, second paragraph.

Claims 14-18, 19, 33-37 stand rejected under 35 U.S.C § 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 14-18, 19, 33-37 have been amended to overcome the 35 U.S.C § 112, second paragraph rejections by the Office and are now believed to be in condition for allowance.

Claim Rejections – 35 U.S.C. § 103

Applicant acknowledges the quotation of 35 U.S.C § 103(a).

Claims 1-6, 13-15, 17, 19-25, 32-35 and 37 stand rejected under 35 U.S.C § 103(a) as being unpatentable over Lassesen ("Simulation and Measurement of Wireless Transmitter and Receiver Hardware", Master's Project Report, University of South Florida, sections 2.1.3, 2.1.4, 2.1.7, 3.6, 3.7, 4.1.6, 4.3, A.6, Appendix E, August 2000) in view of Benabe et al. (Simulation of a 935 MHz receiver Using the HP Advanced Design System, ARFTG Conference Digest, Computer-Aided Design and Test for High-Speed Electronics, pages 28-38, 1998).

Independent claims 1, 19, 20 and 37 have been amended to more clearly describe that which the applicant regards as the invention. Applicant believes that amended claims 1, 19, 20 and 37 are patentable over Lassesen in view of Benabe et al. and are believed to be in condition for allowance because neither Lassesen or Benabe et al. describe a plurality of intermodulation products comprising a plurality of sum intermodulation products and a plurality of difference intermodulation products and a variable assigned to identify the intermodulation products stored in each of the plurality of output files as a sum intermodulation product or a difference intermodulation product as disclosed and claimed by the present invention. The amendments presented do not add limitations or change the scope of the claims; thereby eliminating the need for further search by the Office.

In view of the amendments presented in this response, Applicant believes that amended independent claims 1, 19, 20 and 37 are patentable over Lassesen in view of Benabe et al. and are believed to be in condition for allowance.

Claims 2-9 and 11-18 are dependent upon claim 1, and are therefore allowable as a matter of law. Claim 10 has been cancelled.

Claims 21-28 and 30-36 are dependent upon claim 20, and are therefore allowable as a matter of law. Claim 29 has been cancelled.

If the Office is not fully persuaded as to the merits of Applicant's position, or if an Examiner's Amendment would place the pending claims in condition for allowance, a telephone call to the undersigned at (813) 925-8505 is requested.

Very respectfully,



---

**SIGNATURE OF PRACTITIONER**

Molly Sauter  
Smith & Hopen, P.A.  
Customer No. 21, 901  
180 Pine Avenue North  
Oldsmar, Florida 34677  
Agent for Applicants

Reg. No. 46,457  
Tel. No.: (813) 925-8505

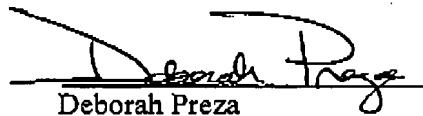
---

**CERTIFICATE OF FACSIMILE TRANSMISSION**

(37 C.F.R. 1.8(a))

I HEREBY CERTIFY that this Amendment A is being transmitted by facsimile to the United States Patent and Trademark Office, Art Unit 2123, Attn.: Mary C. Jacob, (517) 273-8300 on May 29, 2007.

Dated: May 29, 2007

  
Deborah Preza